

AMENDMENTS TO THE CLAIMS:

Claims 48-53, 55, 65-67, and 71 are amended. The following is the status of the claims of the above-captioned application, as amended.

Claims 1-47 (Canceled).

Claim 48 (Currently amended). An isolated carbohydrate-binding module which is selected from the group consisting of:

(a) a polypeptide ~~having a sequence~~ which has at least 90% identity with the sequence of amino acids 34-174 of SEQ ID NO: 2;

(b) a polypeptide encoded by a DNA sequence that hybridizes to the DNA sequence of nucleotides 109-531 of SEQ ID NO: 1 under high stringency conditions; and

(c) a polypeptide which is a fragment of the sequence of amino acids 34-174 of SEQ ID NO: 2,

wherein the polypeptide of (a), (b) or (c) has carbohydrate-binding module activity.

Claim 49 (Currently amended). The carbohydrate-binding module of claim 48, which has a ~~sequence which has~~ at least 90% identity with the sequence of amino acids 34-174 of SEQ ID NO: 2.

Claim 50 (Currently amended). The carbohydrate-binding module of claim 48, which has a ~~sequence which has~~ at least 95% identity with the sequence of amino acids 34-174 of SEQ ID NO: 2.

Claim 51 (Currently amended). The carbohydrate-binding module of claim 48, which has a ~~sequence which has~~ at least 97% identity with the sequence of amino acids 34-174 of SEQ ID NO: 2.

Claim 52 (Currently amended). The carbohydrate-binding module of claim 48, which is encoded by a DNA sequence that hybridizes to the DNA sequence of nucleotides 109-531 of SEQ ID NO: 1 under high stringency conditions.

Claim 53 (Currently amended). The carbohydrate-binding module of claim 48, which is encoded by a DNA sequence that hybridizes to the DNA sequence of nucleotides 109-531 of SEQ ID NO: 1 under very high stringency conditions.

Claim 54 (Previously presented). The carbohydrate-binding module of claim 48, which is a fragment of the sequence of amino acids 34-174 of SEQ ID NO: 2.

Claim 55 (Currently amended). The carbohydrate-binding module of claim 48, which comprises a the sequence of amino acids 34-174 of SEQ ID NO: 2.

Claim 56 (Previously presented). The carbohydrate-binding module of claim 48, which is encoded by a DNA sequence obtained from *Pseudoplectania nigrella* CBS 444.97.

Claim 57 (Previously presented). A composition comprising a carbohydrate-binding module of claim 48.

Claim 58 (Previously presented). The composition of claim 57, further comprising one or more enzymes selected from the group consisting of proteases, cellulases, beta-glucanases, hemicellulases, lipases, peroxidases, laccases, alpha-amylases, glucoamylases, cutinases, pectinases, reductases, oxidases, phenoloxidases, ligninases, pullulanases, pectate lyases, xyloglucanases, xylanases, pectin acetyl esterases, polygalacturonases, rhamnogalacturonases, pectin lyases, other mannanases, pectin methylesterases, cellobiohydrolases, transglutaminases; or mixtures thereof.

Claim 59 (Previously presented). A detergent composition comprising a carbohydrate-binding module of claim 48 and a surfactant.

Claim 60 (Previously presented). A method of finishing a textile, comprising treating the textile with a carbohydrate-binding module of claim 48.

Claim 61 (Previously presented). A method of baking a baking product, comprising

- (a) adding a carbohydrate-binding module of claim 48 to either a flour that is then used to form a dough or directly to a dough; and
- (b) baking the dough to form the baked product.

Claim 62 (Previously presented). A method for degradation of cellulose-containing biomass, comprising treating the biomass with an effective amount of a carbohydrate-binding module of claim 48.

Claim 63 (Previously presented). An enzyme hybrid comprising a carbohydrate-binding module of claim 48 and a catalytic domain exhibiting enzyme activity.

Claim 64 (Previously presented) The enzyme hybrid of claim 63, wherein the catalytic domain exhibits endo-beta-1,4-glucanase activity

Claim 65 (Currently amended). The enzyme hybrid of claim 64, wherein the carbohydrate-binding module has ~~a sequence which has~~ at least 90% identity with the sequence of amino acids 34-174 of SEQ ID NO: 2.

Claim 66 (Currently amended). The enzyme hybrid of claim 63, wherein the carbohydrate-binding module has ~~a sequence which has~~ at least 95% identity with the sequence of amino acids 34-174 of SEQ ID NO: 2.

Claim 67 (Currently amended). The enzyme hybrid of claim 63, wherein the carbohydrate-binding module has ~~a sequence which has~~ at least 97% identity with the sequence of amino acids 34-174 of SEQ ID NO: 2.

Claim 68 (Previously presented). The enzyme hybrid of claim 63, wherein the carbohydrate-binding module is encoded by a DNA sequence that hybridizes to the DNA sequence of nucleotides 109-531 of SEQ ID NO: 1 under high stringency conditions.

Claim 69 (Previously presented). The enzyme hybrid of claim 63, wherein the carbohydrate-binding module is encoded by a DNA sequence that hybridizes to the DNA sequence of nucleotides 109-531 of SEQ ID NO: 1 under high stringency conditions.

Claim 70 (Previously presented). The enzyme hybrid of claim 63, wherein the carbohydrate-binding module is a fragment of the sequence of amino acids 34-174 of SEQ ID NO: 2.

Claim 71 (Currently amended). The enzyme hybrid of claim 63, wherein the carbohydrate-binding module comprises a the sequence of amino acids 34-174 of SEQ ID NO: 2.

Claim 72 (Previously presented). The enzyme hybrid of claim 63, wherein the carbohydrate-binding module is encoded by a DNA sequence obtained from *Pseudoplectania nigrella* CBS 444.97.

Claim 73 (Previously presented). A detergent composition comprising an enzyme hybrid of claim 64 and a surfactant.

Claim 74 (Previously presented). A method of finishing a textile, comprising treating the textile with an enzyme hybrid of claim 64.

Claim 75 (Previously presented). A method of baking a baking product, comprising

- (a) adding an enzyme hybrid of claim 64 to either a flour that is then used to form a dough or directly to a dough; and
- (b) baking the dough to form the baked product.

Claim 76 (Previously presented). A method for degradation of cellulose-containing biomass, comprising treating the biomass with an effective amount of an enzyme hybrid of claim 64.